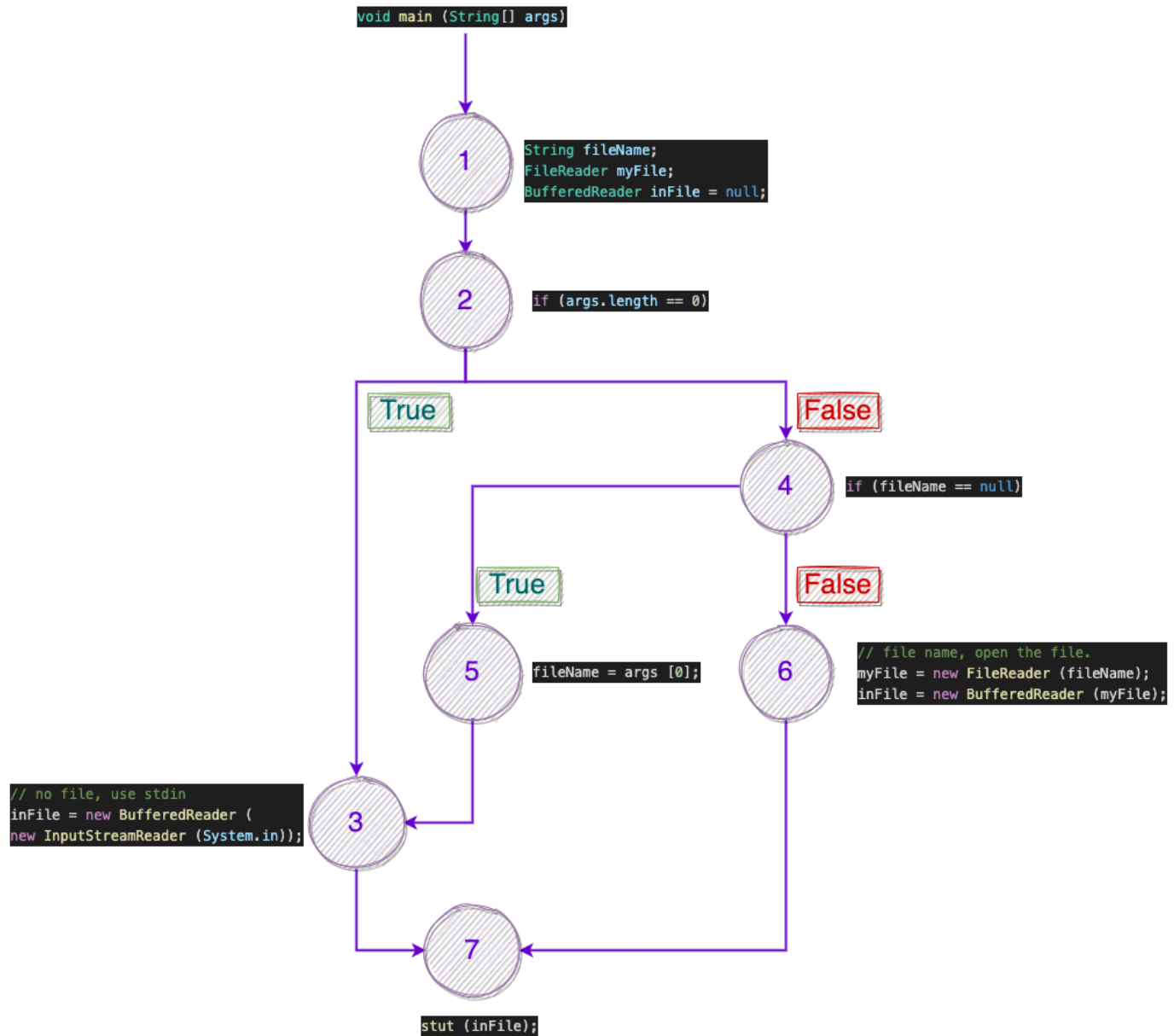


Homework 3: Test for Stutter

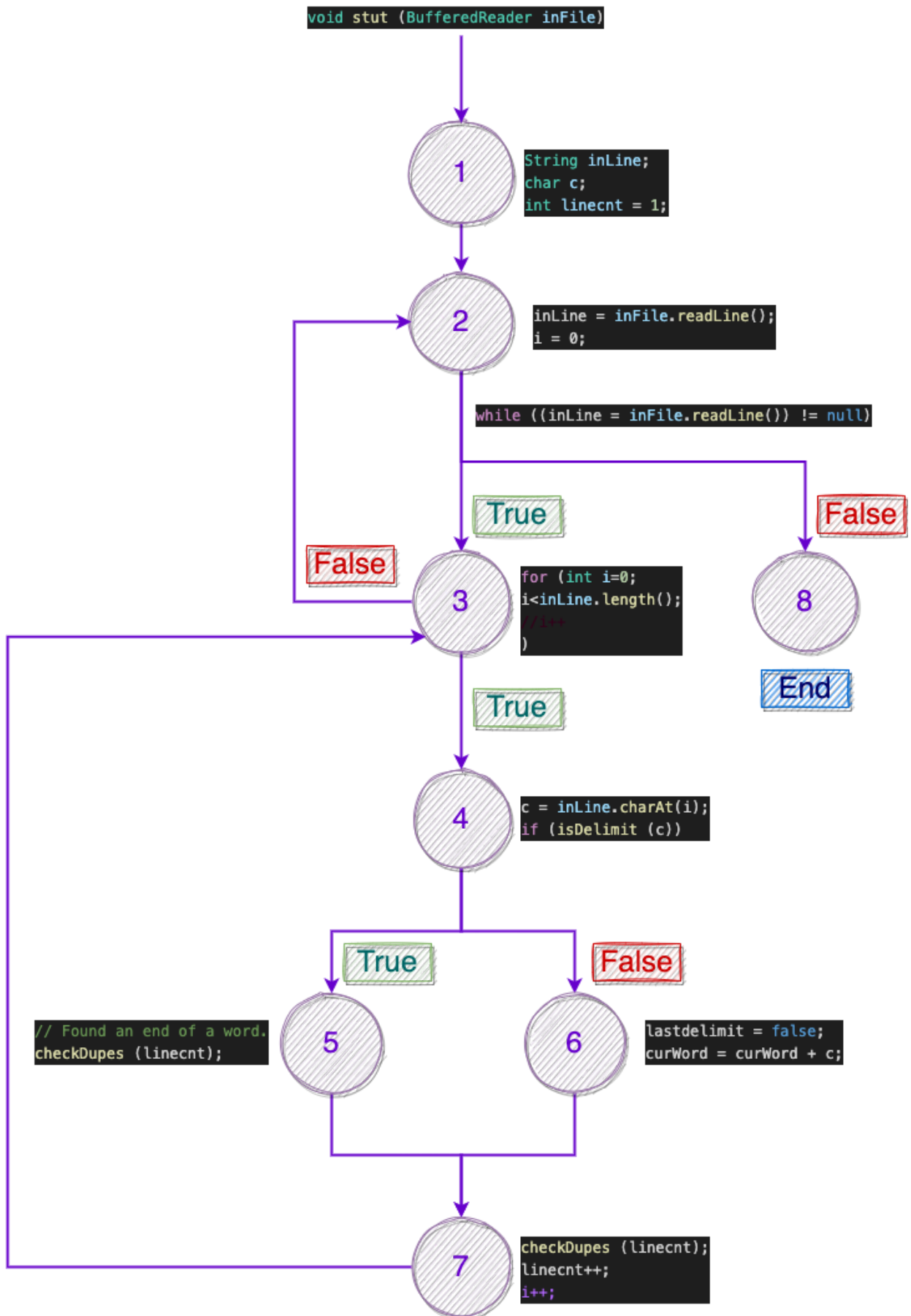
310551017 王志嘉

A. Draw control flow graphs for the methods in Stutter.

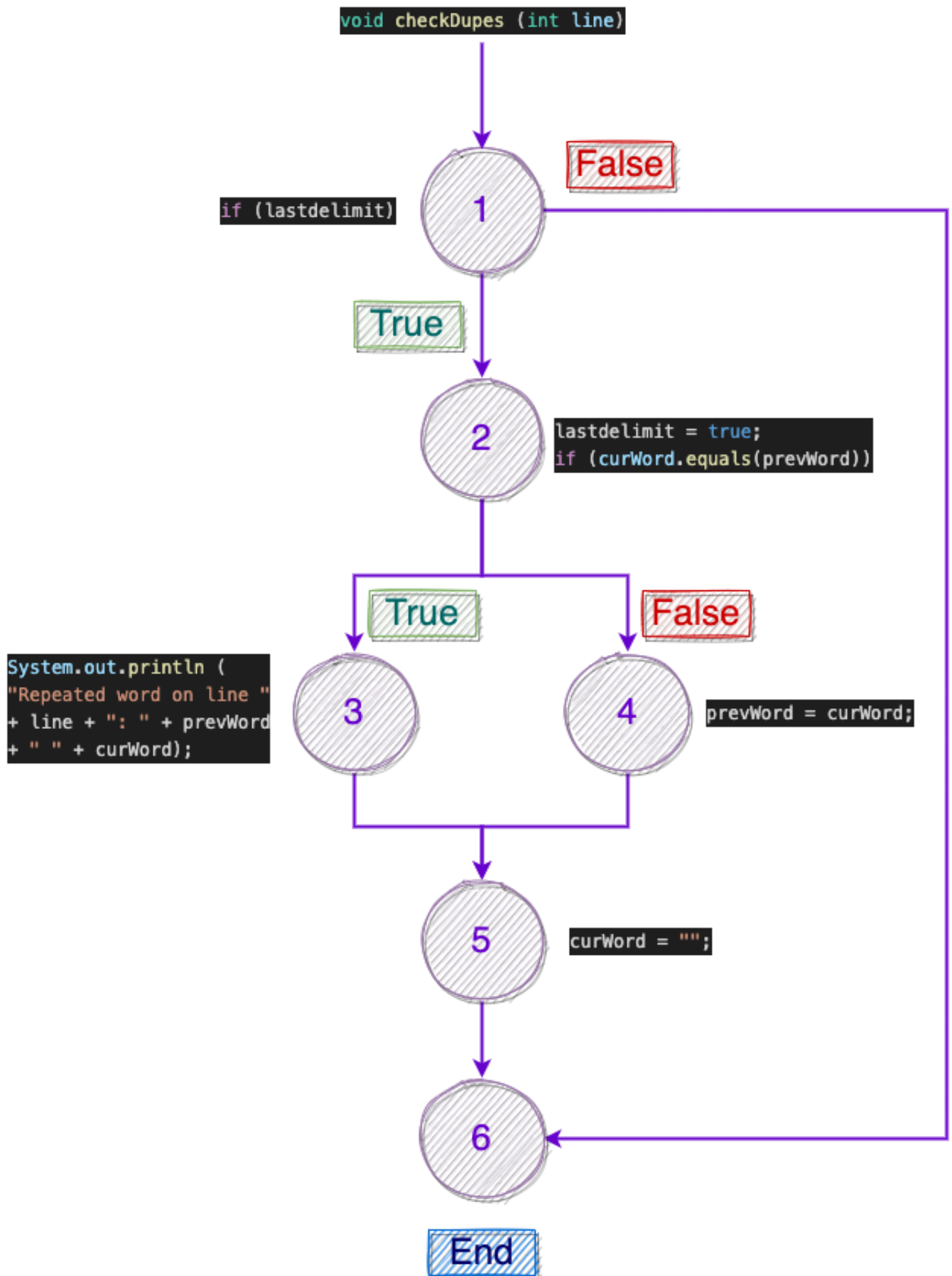
- void main (String[] args)



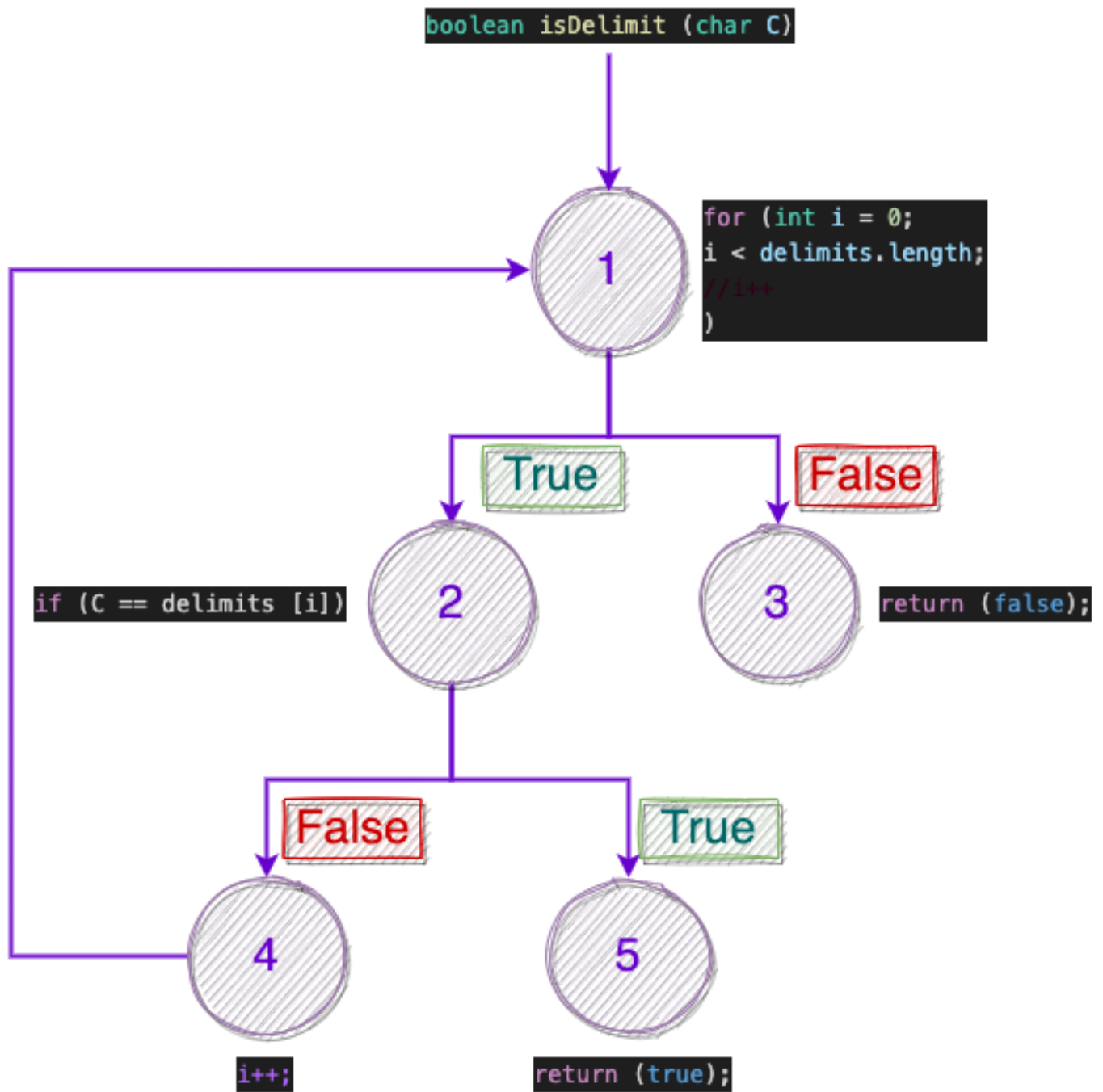
- void stut (BufferedReader inFile)



- void checkDups (int line)



- boolean isDelimit (char C)



B. List all the call sites.

行數基準 <https://cs.gmu.edu/~offutt/softwaretest/java/Stutter.num>

No.	Line	Call
1	46	stut (inFile)
2	63	isDelimit (c)
3	65	checkDupes (linecnt)
4	73	checkDupes (linecnt)

C. List all coupling du-pairs for each call site.

行數基準 <https://cs.gmu.edu/~offutt/softwaretest/java/Stutter.num>

No.	Last-def [methodName, variableName, line]	First-Use [methodName, variableName, line]
1	[main, inFile, 30]	[stut, inFile, 56]
2	[main, inFile, 37]	[stut, inFile, 56]
3	[main, inFile, 42]	[stut, inFile, 56]
4	[stut, linecnt, 55]	[checkDupes, line, 88]
5	[stut, linecnt, 74]	[checkDupes, line, 88]
6	[stut, c, 61]	[isDelimit, C, 102]
7	[isDelimit, **noVariable**, 103]	[isDelimit, **noVariable**, 63]
8	[isDelimit, **noVariable**, 104]	[isDelimit, **noVariable**, 63]

D. Create test data to satisfy All-Coupling Use Coverage for Stutter.

行數基準 <https://cs.gmu.edu/~offutt/softwaretest/java/Stutter.num>

No.	args.length	args[0]	In-File
1	0		"HelloWorld" (System.in)
2	1	null	"HelloWorld" (System.in)
3	1	fileName	"HelloWorld" (fileContent)
4	1	fileName	"Hello;Hello"
5	1	fileName	"Hello\nHello"
6	1	fileName	"Hello;Hello"
7	1	fileName	"Hello;Hello"
8	1	fileName	"Hello;Hello"